Scientific Excellence • Resource Protection & Conservation • Benefits for Canadians
Excellence scientifique • Protection et conservation des ressources • Bénéfices aux Canadiens

SPATIAL DISTRIBUTION OF MACROBENTHIC INFAUNA IN BURRARD INLET: NOVEMBER, 1989

by

S.F. Cross
AQUAMETRIX Research Ltd.
Sidney, B.C.
and
R.O. Brinkhurst
Ocean Ecology Division
Institute of Ocean Sciences

Department of Fisheries and Oceans
Institute of Ocean Sciences
Sidney, B.C.

1991

CANADIAN DATA REPORT OF HYDROGRAPHY AND OCEAN SCIENCES NO. 92

Fisheries and Oceans Pêches et Océans

Canada

Canadian Data Report Of Hydrography and Ocean Sciences

Data reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities. Generally, the reports contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations commonly will have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data reports are not intended for general distribution and the contents must not be referred to in other publications without prior written authorization from the issuing establishment. The correct citation appears above the abstract of each report. Data reports are abstracted in *Aquatic Sciences and Fisheries Abstracts* and indexed in the Department's annual index to scientific and technical publications.

Data reports are produced regionally but are numbered nationally. Requests for individual reports will be filled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications is published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 39: Index to Publications 1982. The current series, which begins with report number 1, was initiated in January 1982.

Rapport statistique canadien sur l'hydrographie et les sciences océaniques

Les rapports statistiques servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens. En général, les rapports contiennent des données brutes ou analysées, mais ne fournissent pas d'interprétation des données. Ces compilations sont préparées le plus souvent à l'appui de travaux liés aux programmes et intérêts du service des Sciences et levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports statistiques ne sont pas destinés à une vaste distribution et leur contenu ne doit pas être mentionné dans une publication sans une autorisation écrite préalable de l'établissement auteur. Le titre exact paraît au-dessus du résumé de chaque rapport. Les rapports statistiques sont résumés dans la revue *Résumés des sciences halieutiques et aquatiques*, et ils sont classés dans l'index annuel des publications scientifiques et techniques du Ministère.

Les rapports statistiques sont produits à l'échelon régional, mais numérotés à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page du titre. Les rapports épuisés sont fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports en décembre 1981. Une liste complète de ces publications figure dans le volume 39, Index des publications 1982, du *Journal canadien des sciences halieutiques et aquatiques*. La série actuelle a commencé avec la publication du rapport numéro 1 en janvier 1982.

Canadian Data Report of
Hydrography and Ocean Sciences No. 92

SPATIAL DISTRIBUTION OF MACROBENTHIC INFAUNA IN BURRARD INLET: NOVEMBER, 1989

1991

S.F. Cross
AQUAMETRIX Research Ltd.
Sidney, B.C.

and

R.O. Brinkhurst
Ocean Ecology Division
Institute of Ocean Sciences

Department of Fisheries and Oceans
Institute of Ocean Sciences
Sidney, B.C.

DSS Contract No.: FP941-9-9127/01-XSA

Copyright Minister of Supply and Services Canada 1990
Fs 97-16/92E ISSN - 0711-6721

CORRECT CITATION FOR THIS PUBLICATION:

Cross, S.F. and R.O. Brinkhurst. 1991. Spatial Distribution of Macrobenthic Infauna in Burrard Inlet: November, 1989. Can. Data Rep. Hydrogr. Ocean Sci. No. 92, 35 pp.

TABLE OF CONTENTS:

Abstract / Resume	iv
Acknowledgements	v
Introduction	1
Sampling and Analytical Methods	
1. Field sampling protocol	1
2. Sample analysis	1
References	1
DATA SECTION	
1. Species/abundance summary by station and replicate	4
2. 1989 Burrard Inlet benthos taxa: classification	5-11
3. 1989 Burrard Inlet benthos data (species abundances per 0.05 m.sq.)	12-35

ABSTRACT

Cross, S.F. and R.O. Brinkhurst. 1991. Spatial Distribution of Macrobenthic Infauna in Burrard Inlet: November, 1989. Can. Data Rep. Hydrogr. Ocean Sci. No. 92, 35 pp.

In November 1989, a benthic invertebrate faunal survey was conducted in Burrard Inlet (Vancouver Harbour), British Columbia. This data report presents the results of this survey, including the species composition and respective species abundances for the 20 stations sampled.

Key Words: Benthic Infauna, Burrard Inlet, Vancouver Harbour

RESUME

Cross, S.F. and R.O. Brinkhurst. 1991. Spatial Distribution of Macrobenthic Infauna in Burrard Inlet: November, 1989. Can. Data Rep. Hydrogr. Ocean Sci. No. 92, 35 pp.

En Novembre 1989 un releve de la faune benthique des invertebres a ete realise dans l'inlet Burrard et port de Vancouver, Colombie-Britannique. Ce compte des donees present les resultats de cette enquete, y compris le melange des especes et leurs abondances respectives pour les vingt points de prise d'echantillons.

Mots cles: faune benthique, l'inlet Burrard, port de Vancouver

ACKNOWLEDGEMENTS

We thank D. Moore, B. Burd, J. Boyd and D. Goyette for sampling assistance; B. Boettger for sample sorting; and W. Austin, C. Staude, H. Jones and R. Reid for the identifications of the benthic invertebrates. This work was supported, in part, by Environment Canada, Environmental Protection.

INTRODUCTION

This report presents the macroinvertebrate community structural data compiled following a benthic survey of Burrard Inlet in November of 1989. The field sampling program was conducted by Institute of Ocean Sciences (Ocean Ecology Division) and Environment Canada (Environmental Protection) personnel, and represents a repeated survey to that performed in October of 1987 (Burd and Brinkhurst, 1990).

SAMPLING AND ANALYTICAL METHODS

1. Field sampling protocol

A total of 20 stations were sampled within Burrard Inlet, including Vancouver Harbour, during early November 1989. Figure 1 indicates the relative position of these stations within the inlet system.

At each sampling station, three replicate sediment samples were obtained using a 0.05 m.sq. Ponar grab. Sampling quality assurance and quality control (QA/QC) ensured that retained grabs contained sediments in excess of 90% of capacity. Debris and organisms retained on a 0.3 mm screen were fixed in 7% buffered formalin tinted with Rose Bengal histological stain to facilitate the subsequent sorting procedure.

2. Sample analysis

Organisms were sorted into major taxonomic groups and then identified to species (or lowest possible taxon given specimen condition and/or life history stage) and enumerated. Abundances for each taxon were standardized to numbers per grab sampling area (0.05 m.sq.).

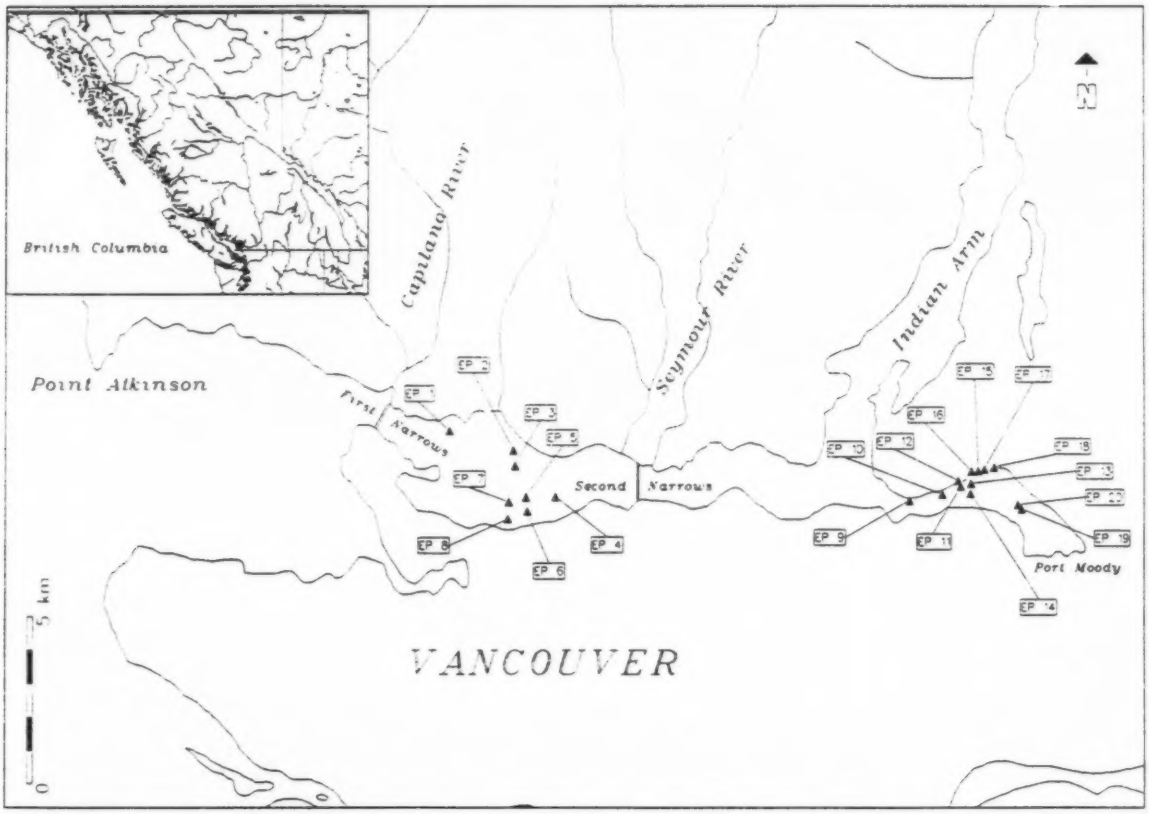
QA/QC protocols for the benthos analytical procedures consisted of a complete re-sort of 10% of the samples (6/60) selected at random. A discrepancy of 5% (maximum) of the total number of organisms found in the original sample was used as the criterion requiring re-examination of all samples. Accuracy in species identifications was assured through specimen identification by recognized taxonomic authorities (see Acknowledgements).

REFERENCES

Burd, B.J. and R.O. Brinkhurst. 1990. Vancouver Harbour benthic infaunal sampling program, October 1987. Can. Tech. Rep. Hydrogr. Ocean. Sci. 122:49p.

FIGURE 1

Location of 1989 benthic sampling stations within Burrard Inlet.



DATA SECTION

1. Species/abundance summary by station and replicate

2. 1989 Burrard Inlet benthos taxa: classification

3. 1989 Burrard Inlet benthos data
   (species abundances per 0.05 m.sq.)

TOTAL NUMBER OF SPECIES AND NUMBER OF INDIVIDUALS IN SAMPLES COLLECTED FROM BURRARD INLET - 1989.

Data presented as number of species and total abundances per 0.05 m.sq.

STATION	STATION REPLICATE	S *	TOTAL ABUNDANCE	STATION	STATION REPLICATE	S *	TOTAL ABUNDANCE
1	A	10	980.	11	A	35	765.
	B	14	1788.		B	37	456.
	C	17	1800.		C	32	590.
2	A	44	1662.	12	A	24	229.
	B	49	2132.		B	30	186.
	C	48	1488.		C	32	348.
3	A	48	509.	13	A	38	507.
	B	48	831.		B	31	535.
	C	51	752.		C	33	447.
4	A	48	358.	14	A	33	516.
	B	31	869.		B	36	605.
	C	47	1972.		C	34	358.
5	A	54	906.	15	A	18	195.
	B	51	1206.		B	16	143.
	C	53	850.		C	20	529.
6	A	32	3664.	16	A	29	717.
	B	14	1936.		B	22	238.
	C	20	1588.		C	20	239.
7	A	57	858.	17	A	13	156.
	B	56	714.		B	17	141.
	C	38	902.		C	13	110.
8	A	66	750.	18	A	26	959.
	B	57	1032.		B	20	223.
	C	45	687.		C	17	773.
9	A	39	2053.	19	A	10	107.
	B	38	1902.		B	11	54.
	C	29	1212.		C	14	189.
10	A	28	1261.	20	A	18	190.
	B	28	2032.		B	17	111.
	C	33	1372.		C	14	118.

* S = total number of taxa found in the sample

1989 BURRARD INLET BENTHOS TAXA: Classification

* Numeric Code Reference in Subsequent Data Tables

	NUMERIC * REFERENCE
ANNELIDA	
POLYCHAETA	
Ampharetidae	
Amage anops	1
Ampharete acutifrons	2
Ampharete labrops	3
Ampharete finmarchica	4
Ampharetidae sp. indet./juv	5
Amphicteis glabra	6
Amphicteis scaphobranchiata	7
Capitellidae	
Barantolla americana	14
Capitella capitata complex	15
Heteromastus filobranchus	44
Mediomastus californiensis	54
Chrysopetalidae	
Paleonotus bellis	64
Cirratulidae	
Chaetozone spinosa	16
Cirratulidae sp. Indet.	18
Cirratulus cirratus	19
Tharyx multifilis	107
Tharyx secundus	108
Cossuridae	
Cossura longocirrata	20
Dorvillidae	
Dorvillea rudolphi	21
Dorvilleidae sp. Indet.	22
Pettibonia sp. A	69
Protodorvillea gracilis	87
Flabelligeridae	
Flabelligeridae sp.	32
Glyceridae	
Glycera capitata	35
Goniadidae	
Glycinde armigera	36
Glycinde picta	37
Goniada annulata	38
Micropodarke dubia	55
Hesionidae	
Gyptis brevipalpa	39
Hessionidae sp. indet.	43
Ophiodromus pugettensis	63
Lumbrineridae	
Lumbrineris bicirrata	50
Lumbrineris luti	51
Lumbrineris sp. Indet.	52

Taxa Classification Continued

Maldanidae	
Euclymeninae sp. Indet.	25
Euclymene zonalis	27
Maldanidae sp. Indet.	53
Nereidae	
Nereis brandti	59
Nereis zonata	60
Platynereis bicanaliculata	78
Nephtyidae	
Nephtys cornuta franciscanum	57
Nephtys ferruginea	58
Opheliidae	
Armandia brevis	12
Ophelina acuminata	62
Orbiniidae	
Leitoscoloplos pugettensis	48
Naineris quadricuspida	56
Scoloplos acmeceps	93
Oweniidae	
Galathowenia oculata	33
Paraonidae	
Aricidea lopezi	10
Aricidea sp. indet.	11
Pectinariidae	
Amphictene moorei	8
Pectinaria californiensis	67
Pectinaria granulata	68
Pholoididae	
Pholoides aspera	71
Phyllodocidae	
Eteone longa	23
Eteone sp. Indet./juv	24
Eulalia bilineata	28
Eulalia viridis	29
Eumida sanguinea	30
Phyllodoce groenlandica	72
Phyllodoce hartmanae	73
Phyllodoce papillosa	74
Phyllodoce sp.	75
Pilargiidae	
Parandalia fauveli	65
Polynoidae	
Arcteobea spnelytris	9
Gattyana treadwelli	34
Harmothoe imbricata	40
Harmothoe lunulata	41
Harmothoe sp. indet.	42
Lepidonotus squamatus	49
Polynoidae sp. Indet.	84
Tenonia priops	104

Taxa Classification Continued

	Sabellidae	
	Chone dunneri	17
	Euchone incolor	26
	Idanthyrsus ornamentatus	45
	Sabellaria cementarium	90
	Sabellidae sp. indet.	91
	Serpulidae	
	Pseudochitinopoma occidentalis	88
	Serpulidae sp. indet.	94
	Sigalionidae	
	Pholoe minuta	70
	Sphaerodoridae	
	Sphaerodoropsis sphaerulifer	95
	Spionidae	
	Laonice cirrata	47
	Paraprionospio pinnata	66
	Polydora brachycephala	80
	Polydora cardalia	81
	Polydora giardia	82
	Polydora socialis	83
	Prionospio lighti	85
	Prionospio steenstrupi	86
	Pygospio elegans	89
	Spio cirrifera	97
	Spionidae sp. Juv.	98
	Spiophanes berkeleyorum	99
	Trochochaeta multisetosa	109
	Sternaspidae	
	Sternaspis scutata	100
	Syllidae	
	Autolytus sp. Indet.	13
	Exogone sp. Indet.	31
	Pionosyllis uraga	76
	Sphaerosyllis brandhorsti	96
	Syllidae sp. Indet.	101
	Syllis elongata	102
	Syllis heterochaeta	103
	Terebellidae	
	Lanassa venusta venusta	46
	Nicolea zostericola	61
	Pista moori	77
	Polycirrus sp. complex	79
	Scionella estevanica	92
	Terebellides stroemi	105
	Terebellidae sp. indet.	106
OLIGOCHAETA		111
NEMERTEA		110
HIRUDINEA		112
	Piscicolidae indet.	205

Taxa Classification Continued

MOLLUSCA
- BIVALVIA
  - Nuculidae
    - Acila castrensis 113
    - Nucula tenuis 114
  - Nuculanaidae
    - Nuculana fossa 115
  - Yoldiidae
    - Yoldia martyria 116
    - Yoldia scissurata 117
  - Lucinidae
    - Lucinoma annulata 118
    - Parvilucina tenuisculpta 119
  - Thyasiridae
    - Axinopsida serricata 120
    - Thyasira gouldi 121
  - Mytilidae
    - Modiolus rectus 122
    - Mytilus edulis 123
  - Pectinidae
    - Chlamys hastata 124
  - Kelliidae
    - Mysella tumida 126
  - Anomiidae
    - Pododesmus macrochisma 125
  - Cardiidae
    - Clinocardium ciliatum 127
    - Clinocardium nuttallii 128
  - Tellinidae
    - Macoma brota 129
    - Macoma calcarea 130
    - Macoma carlottensis 131
    - Macoma elimata 132
    - Tellina carpenteri 133
    - Tellina nuculoides 134
  - Veneridae
    - Compsomyax subdiaphana 135
    - Psephidia lordi 136
    - Protothaca staminea 137
  - Myidae
    - Mya arenaria 138
  - Hiatellidae
    - Hiatella arctica 139
  - Pandoridae
    - Pandora filosa 140
    - Lyonsia californica 141
- GASTROPODA
  - Crepidulidae
    - Crepidula adunca 142
  - Trochidae
    - Solariella obsura 143

Taxa Classification Continued

Rissoidae	
Alvania compacta	144
Columbellidae	
Mitrella gausapata	145
Mitrella tuberosa	146
Lacunidae	
Lacuna carinata	147
Cerithiidae	
Bittium munitum	148
Nassaridae	
Nassarius mendicus	149
Muricidae	
Trophonopsis orpheus	150
Buccinidae	
Amphissa versicolor	151
Pyramidellidae	
Odostomia columbiana	152
Odostomia quadrae	153
Odostomia vancouverensis	154
Turbonilla lyalli	155
Turbonilla vancouverensis	156
Actaeonidae	
Rictaxis punctocaelatus	157
Philinidae	
Philine polaris	158
CRUSTACEA	
AMPHIPODA	
indet. amphipoda	196
Pontogeneiidae	
Accedomoera vagor	159
Ampeliscidae	
Ampelisca brevisimulata	160
Byblis millsi	164
Aoridae	
Aoroides ?inermis	161
Aoroides columbiae	162
Aoroides sp. indet./juvenile	163
Photidae	
Cheirimedeia sp.	165
Cheirimedeia zotea	166
Cheirimedeia/Protomedeia sp. (juv)	167
Photis ?californica	187
Photis sp. (juv)	188
Protomedeia prudens	190
Protomedeia sp.	191
Corophiidae	
Corophium acherusicum	168
Corophium sp. (juv or damaged)	169
Podoceridae	
Dyopedos ?monacanthus	170
Dyopedos sp.	171

Taxa Classification Continued

Phoxocephalidae
Heterophoxus oculatus 175
Ischyroceridae
Ischyrocerus anguipes 178
Microjassa sp. 182
Oedicerotidae
Oedicerotidae (?Westwoodilla juv) 183
Rhepoxynius variatus 192
Westwoodilla caecula 197
Synchelidium rectipalmum 194
Pleustidae
Pleustidae juv 189
Aeginellidae
Mayerella banksia 180
Tritella pilimana 195
Stenothoidae
Stenothoidae (?Metopella) 193
Uristidae
Orchomene pinguis 184
Pachynus cf. barnardi 185
Melitidae
Melita desdichada 181
Hyperiidea
Hyperia spinigera 176
Hyperia? sp. (juv) 177
Parathemisto? pacifica 186
ISOPODA
Munnidae
Pleurogonium sp. 217
TANAIDACEA
Leptochelia? savignyi 179
CUMACEA
Leuconidae
Eudorella pacifica 198
Leucon sp. 221
Diastyidae
Diastylus alaskensis 209
Nannastacidae
Campylaspis sp. 211
MYSIDACEA
Mysidae
Neomysis kadiaskensis 216
COPEPODA
Harpacticoidea
Harpacticoid copepod 174
OSTRACODA
Philomedidae
Euphilomedes carcharodonta 199
Philomedidae juveniles 200
Philomedes producta 201

Taxa Classification Continued

Cylindroleberididae	
Diasterope pilosa	214
CIRRIPEDIA	
Balanidae	
Balanus crenatus	210
LEPTOSTRACA	
Nebaliidae	
Nebalia sp.	213
DECAPODA	
Pinnotheridae	
Pinnixa schmitti	203
Crangonidae	
Crangon alaskensis	207
HOLOTHUROIDEA	
Phyllophoridae	
Pentamera sp.	208
OPHIUROIDEA	
Amphiuridae	
Amphipholis squamata	202
Amphiuridae juvenile	212
Amphiodia urtica	206
ECTOPROCTA	
Barentsiidae	
Barentsia sp.	215
SIPUNCULA	
Golfingia	
Nephosoma sp.	220
NEMERTEA	
Cerebratulidae	
Cerebratulus sp.	219
TURBELLARIA	
POLYCLADIDA	204
ACARINA	
Halicaridae indet.	218

1989 BURRARD INLET BENTHOS DATA

Stations EP-01, EP-02, EP-03, EP-04, EP-05

REF.	TAXON	STATION:	EP-01			EP-02			EP-03			EP-04			EP-05		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
1	Amage anops		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ampharete acutifrons		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Ampharete labrops		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Ampharete finmarchica		0	0	0	0	2	0	0	1	0	0	0	0	0	0	0
5	Ampharetidae sp. indet./juv		0	0	0	2	0	1	66	40	54	0	0	0	0	0	0
6	Amphicteis glabra		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Amphicteis scaphobranchiata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Amphictene moori		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Arcteobea spnelytris		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Aricidea lopezi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Aricidea sp. indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Armandia brevis		4	2	14	42	59	21	3	3	4	33	10	12	33	11	27
13	Autolytus sp. Indet.		0	0	0	0	0	1	3	3	9	0	0	0	0	0	0
14	Barantolla americana		0	0	0	1	0	0	12	3	10	0	0	0	0	0	0
15	Capitella capitata complex		226	429	394	2	7	0	3	1	0	0	3	0	2	2	0
16	Chaetozone spinosa		0	0	0	3	12	8	0	0	1	1	2	5	3	9	4
17	Chone dunneri		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Cirratulidae sp. Indet.		0	0	0	1	0	3	0	0	1	4	6	3	3	0	0
19	Cirratulus cirratus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cossura longocirrata		0	0	0	0	8	7	8	17	9	27	22	43	28	34	20
21	Dorvillea rudolphi		3	3	4	0	0	2	0	1	0	3	1	3	0	1	0
22	Dorvilleidae sp. Indet.		0	0	0	1	0	0	0	0	3	0	0	0	0	0	0
23	Eteone longa		0	1	1	0	4	2	4	1	10	2	1	4	3	7	3
24	Eteone sp. Indet./juv		0	1	0	0	0	1	0	0	1	1	0	0	1	0	2
25	Euclymeninae sp. Indet.		0	0	0	0	1	0	4	4	2	0	0	0	0	2	0
26	Euchone incolor		0	0	0	8	6	5	0	0	1	4	6	40	14	10	12
27	Euclymene zonalis		0	0	0	0	0	1	0	1	0	1	0	0	0	0	1
28	Eulalia bilineata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Eulalia viridis		0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
30	Eumida sanguinea		0	0	0	2	2	0	0	0	1	0	0	0	0	3	0
31	Exogone sp. Indet.		0	0	0	6	6	3	1	0	0	9	3	16	5	12	13
32	Flabelligeridae sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Galathowenia oculata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Gattyana treadwelli		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Glycera capitata		0	0	0	1	1	1	1	0	0	1	0	1	1	4	5
36	Glycinde armigera		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
37	Glycinde picta		0	0	0	0	0	1	6	1	0	0	0	0	0	0	0
38	Goniada annulata		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
39	Gyptis brevipalpa		0	0	3	0	2	0	5	4	8	0	0	0	0	0	0
40	Harmothoe imbricata		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
41	Harmothoe lunulata		0	0	0	0	1	0	1	2	1	0	0	1	0	0	1
42	Harmothoe sp. indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Hessionidae sp.		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
44	Heteromastus filobranchus		0	0	0	0	0	0	0	0	0	1	0	0	1	0	1

1989 BURRARD INLET BENTHOS DATA

Stations EP-01, EP-02, EP-03, EP-04, EP-05 Continued

REF.	TAXON	STATION:	EP-01			EP-02			EP-03			EP-04			EP-05		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
45	Idanthyrsus ornamentatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Lanassa venusta venusta		0	0	0	0	0	1	1	1	0	0	1	2	0	0	0
47	Laonice cirrata		0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
48	Leitoscoloplos pugettensis		0	0	0	0	0	1	1	0	0	3	0	1	0	0	0
49	Lepidonotus squamatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Lumbrineris bicirrata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Lumbrineris luti		0	0	0	1	4	0	45	55	32	0	0	0	8	6	0
52	Lumbrineris sp. Indet.		0	0	0	1	2	0	0	1	2	2	1	3	9	3	15
53	Maldanidae sp. Indet.		0	0	0	0	0	1	2	0	3	1	0	0	3	0	4
54	Mediomastus californiensis		0	0	0	4	3	5	0	0	2	0	1	0	4	2	3
55	Micropodarke dubia		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Naineris quadricuspida		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Nephtys cornuta franciscanum		0	1	0	20	30	47	8	7	9	83	47	64	42	42	32
58	Nephtys ferruginea		0	0	0	0	0	1	1	3	0	0	0	0	0	0	0
59	Nereis brandti		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Nereis zonata		1	0	1	0	1	0	5	5	2	2	0	0	0	0	1
61	Nicolea zostericola		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Ophelina acuminata		0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
63	Ophiodromus pugettensis		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Paleonotus bellis		0	0	0	1	1	0	1	0	0	0	0	0	0	0	1
65	Parandalia fauveli		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Paraprionospio pinnata		0	0	0	0	0	0	0	0	0	1	0	1	1	0	0
67	Pectinaria californiensis		0	1	0	4	4	3	0	0	2	0	1	2	3	5	0
68	Pectinaria granulata		0	0	1	0	1	0	1	0	0	2	0	0	0	0	0
69	Pettibonia sp. A		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Pholoe minuta		1	0	0	0	3	2	1	0	5	2	0	1	3	4	1
71	Pholoides aspera		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
72	Phyllodoce groenlandica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Phyllodoce hartmanae		0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
74	Phyllodoce papillosa		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Phyllodoce sp.		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
76	Pionosyllis uraga		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
77	Pista moori		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Platynereis bicanaliculata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Polycirrus sp. complex		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
80	Polydora brachycephala		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Polydora cardalia		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
82	Polydora giardia		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Polydora socialis		0	0	1	1	3	1	0	1	2	1	0	4	0	0	0
84	Polynoidae sp. Indet.		0	0	0	1	2	0	6	3	3	1	0	0	0	0	2
85	Prionospio lighti		0	0	0	5	7	2	2	1	3	5	2	2	5	12	3
86	Prionospio steenstrupi		0	0	0	5	7	7	0	3	1	5	3	4	6	3	6
87	Protodorvillea gracilis		0	0	0	1	0	0	0	3	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-01, EP-02, EP-03, EP-04, EP-05 Continued

	STATION:	EP-01			EP-02			EP-03			EP-04			EP-05		
	REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
REF.	TAXON															
38	Pseudochitinopoma occidentalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Pygospio elegans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Sabellaria cementarium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Sabellidae sp. indet.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Scionella estevanica	0	0	0	0	3	0	6	11	12	0	0	1	0	0	0
93	Scoloplos acmeceps	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Serpulidae sp. indet.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Sphaerodoropsis sphaerulifer	0	0	0	0	1	0	0	0	1	0	2	1	3	1	4
96	Sphaerosyllis brandhorsti	0	0	0	19	84	56	0	1	0	9	10	16	14	9	10
97	Spio cirrifera	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0
98	Spionidae sp. Juv.	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
99	Spiophanes berkeleyorum	0	0	0	1	1	0	2	0	0	0	0	0	0	1	0
100	Sternaspis scutata	0	0	0	0	0	0	0	0	0	7	0	2	0	0	0
101	Syllidae sp. Indet.	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1
102	Syllis elongata	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
103	Syllis heterochaeta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Tenonia priops	0	0	0	0	1	0	10	7	5	0	0	1	1	2	1
105	Terebellides stroemi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Terebellidae sp. indet.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Tharyx multifilis	0	0	1	4	2	4	0	0	1	28	9	14	14	16	12
108	Tharyx secundus	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0
109	Trochochaeta multisetosa	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
110	NEMERTEA	0	0	0	1	1	1	2	0	0	0	0	1	0	0	2
111	OLOGOCHAETA	0	0	1	5	5	11	10	1	4	34	3	13	3	12	3
112	HIRUDINEA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Acila castrensis	0	0	0	41	53	63	0	0	3	3	0	0	0	0	0
114	Nucula tenuis	0	0	0	7	1	0	11	11	6	5	5	0	13	13	8
115	Nuculana fossa	0	0	0	0	0	1	0	2	1	2	0	1	1	1	0
116	Yoldia martyria	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
117	Yoldia scissurata	0	0	0	0	0	0	2	0	2	3	0	1	4	1	4
118	Lucinoma annulata	0	0	0	0	0	0	2	0	0	0	0	0	1	2	2
119	Parvilucina tenuisculpta	0	0	0	3	1	2	2	1	2	1	0	1	10	7	3
120	Axinopsida serricata	0	0	0	0	0	0	0	0	0	24	56	94	92	145	103
121	Thyasira gouldi	0	0	1	6	18	12	52	95	77	0	0	0	1	0	0
122	Modiolus rectus	0	0	1	0	0	0	0	0	0	0	2	0	1	1	1
123	Mytilus edulis	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0
124	Chlamys hastata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Pododesmus macrochisma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Mysella tumida	0	0	0	1	0	0	0	0	0	1	1	0	0	1	0
127	Clinocardium ciliatum	1	1	1	0	0	0	0	1	0	0	0	0	0	2	0
128	Clinocardium nuttallii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Macoma brota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-01, EP-02, EP-03, EP-04, EP-05 Continued

REF.	TAXON	STATION:	EP-01			EP-02			EP-03			EP-04			EP-05		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
130	Macoma calcarea		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Macoma carlottensis		0	0	6	1	0	0	24	12	8	13	8	3	10	9	6
132	Macoma elimata		0	0	0	1	2	0	0	5	1	0	0	0	5	5	3
133	Tellina carpenteri		0	0	0	0	0	1	6	0	0	0	0	0	0	0	0
134	Tellina nuculoides		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Compsomyax subdiaphana		0	0	0	0	0	0	3	3	3	0	0	0	7	5	5
136	Psephidia lordi		0	0	0	66	98	49	41	27	29	8	14	52	52	114	63
137	Protothaca staminea		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Mya arenaria		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Hiatella arctica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Pandora filosa		0	0	0	0	0	1	1	1	0	0	0	0	2	0	0
141	Lyonsia californica		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
142	Crepidula adunca		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Solariella obsura		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Alvania compacta		1	1	1	130	45	8	10	51	27	1	0	1	0	0	2
145	Mitrella gausapata		0	0	0	0	0	0	0	7	0	2	0	1	0	0	0
146	Mitrella tuberosa		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Lacuna carinata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Bittium munitum		0	0	0	0	0	0	0	1	1	0	0	0	5	8	5
149	Nassarius mendicus		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
150	Trophonopsis orpheus		0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
151	Amphissa versicolor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Odostomia columbiana		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
153	Odostomia quadrae		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Odostomia vancouverensis		0	0	0	0	0	1	3	4	0	0	0	0	3	5	2
155	Turbonilla lyalli		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Turbonilla vancouverensis		0	0	0	0	0	1	3	4	0	0	0	0	3	5	2
157	Rictaxis punctocaelatus		6	1	15	0	0	1	0	0	0	0	0	0	1	0	0
158	Philine polaris		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Accedomoera vagor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Ampelisca brevisimulata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Aoroides ?inermis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Aoroides columbiae		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Aoroides sp. indet./juvenile		0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
164	Byblis millsi		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
165	Cheirimedeia sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Cheirimedeia zotea		0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
167	Cheirimedeia/Protomedeia sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Corophium acherusicum		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
169	Corophium sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
170	Dyopedos ?monacanthus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Dyopedos sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Eudorella pacifica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-01, EP-02, EP-03, EP-04, EP-05 Continued

REF.	TAXON	STATION:	EP-01			EP-02			EP-03			EP-04			EP-05		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
173	Foraminiferan		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	Harpacticoid copepod		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Heterophoxus oculatus		0	0	0	0	0	0	0	0	0	1	4	1	5	3	1
176	Hyperia spinigera		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	Hyperia? sp. (juv)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Ischyrocerus anguipes		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
179	Leptochelia? savignyi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Mayerella banksia		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
181	Melita desdichada		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
182	Microjassa sp.		0	0	0	3	0	1	0	0	0	0	0	0	0	0	0
183	Oedicerotidae		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
184	Orchomene pinguis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185	Pachynus cf. barnardi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
186	Parathemisto? pacifica		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
187	Photis ?californica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188	Photis sp. (juv)		1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
189	Pleustidae juv		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190	Protomedeia prudens		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191	Protomedeia sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	Rhepoxynius variatus		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
193	Stenothoidae (?Metopella)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	Synchelidium rectipalmum		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195	Tritella pilimana		0	0	0	4	0	0	0	0	0	0	0	0	0	0	1
196	indet. amphipoda		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197	Westwoodilla caecula		0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
198	Eudorella pacifica		0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
199	Euphilomedes carcharodonta		0	0	0	0	15	9	5	0	2	10	9	35	5	29	4
200	Philomedidae juveniles		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201	Philomedes producta		0	0	0	8	21	14	0	3	7	4	56	28	10	24	10
202	Amphipholis squamata		0	0	0	0	0	0	0	1	0	1	0	0	1	0	0
203	Pinnixa schmitti		0	0	0	0	0	0	0	0	0	1	0	0	1	2	1
204	Polycladida indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
205	Piscicolidae indet.		0	0	0	0	2	0	0	0	0	0	0	0	0	1	1
206	Amphiodia urtica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207	Crangon alaskensis		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
208	Pentamera sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209	Diastylus alaskensis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210	Balanus crenatus		0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
211	Campylaspis sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212	Amphiuridae juvenile		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
213	Nebalia sp.		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
214	Diasterope pilosa		0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
215	Barentsia sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1989 BURRARD INLET BENTHOS DATA

Stations EP-01, EP-02, EP-03, EP-04, EP-05 Continued

	STATION:	EP-01			EP-02			EP-03			EP-04			EP-05		
	REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
REF.	TAXON															
216	Neomysis kadiaskensis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217	Pleurogonium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218	Halicaridae indet.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219	Cerebratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220	Nephosoma sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
221	Leucon sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

1989 BURRARD INLET BENTHOS DATA

Stations EP-06, EP-07, EP-08, EP-09, EP-10

REF.	TAXON	STATION:	EP-06			EP-07			EP-08			EP-09			EP-10		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
1	Amage anops		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ampharete acutifrons		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
3	Ampharete labrops		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Ampharete finmarchica		0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
5	Ampharetidae sp. indet./juv		0	0	0	1	0	0	1	0	1	0	0	0	0	0	0
6	Amphicteis glabra		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Amphicteis scaphobranchiata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Amphictene moori		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Arcteobea spnelytris		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Aricidea lopezi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Aricidea sp. indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Armandia brevis		97	53	87	39	41	27	107	111	108	30	6	18	7	6	17
13	Autolytus sp. Indet.		0	0	0	1	0	0	2	0	1	0	0	0	0	0	0
14	Barantolla americana		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Capitella capitata complex		156	171	267	4	5	1	23	14	22	1	0	0	1	0	0
16	Chaetozone spinosa		2	0	0	6	5	4	1	1	1	1	3	6	1	2	4
17	Chone dunneri		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Cirratulidae sp. Indet.		11	0	7	2	2	4	5	23	11	0	0	0	1	0	0
19	Cirratulus cirratus		0	0	0	0	0	0	0	3	0	1	0	0	0	0	1
20	Cossura longocirrata		7	0	0	15	9	5	13	13	7	17	10	10	9	5	6
21	Dorvillea rudolphi		0	0	0	1	2	2	10	5	3	0	1	0	0	0	0
22	Dorvilleidae sp. Indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Eteone longa		0	0	0	0	0	0	3	2	2	1	0	0	2	0	2
24	Eteone sp. Indet./juv		2	1	1	0	1	1	2	1	0	1	0	0	0	1	0
25	Euclymeninae sp. Indet.		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
26	Euchone incolor		2	0	0	8	11	8	5	5	6	0	0	0	0	0	1
27	Euclymene zonalis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Eulalia bilineata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Eulalia viridis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Eumida sanguinea		0	0	0	0	1	0	3	13	0	0	1	0	0	0	0
31	Exogone sp. Indet.		0	1	0	10	13	11	22	5	3	0	0	0	0	0	0
32	Flabelligeridae sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Galathowenia oculata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Gattyana treadwelli		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Glycera capitata		0	0	0	7	9	4	1	0	0	0	1	0	0	0	0
36	Glycinde armigera		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Glycinde picta		1	0	0	1	1	0	5	8	1	1	0	0	0	0	0
38	Goniada annulata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Gyptis brevipalpa		3	0	0	0	0	0	6	0	1	0	1	0	0	0	1
40	Harmothoe imbricata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Harmothoe lunulata		0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
42	Harmothoe sp. indet.		0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
43	Hessionidae sp.		0	1	0	0	0	0	1	10	0	0	0	0	0	0	0
44	Heteromastus filobranchus		0	0	0	0	0	0	0	2	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-06, EP-07, EP-08, EP-09, EP-10 Continued

REF.	TAXON	STATION:	EP-06			EP-07			EP-08			EP-09			EP-10		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
45	Idanthyrsus ornamentatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Lanassa venusta venusta		0	0	0	1	0	0	5	0	1	0	0	0	0	0	0
47	Laonice cirrata		0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
48	Leitoscoloplos pugettensis		2	0	1	2	0	0	8	0	2	0	0	0	0	0	0
49	Lepidonotus squamatus		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
50	Lumbrineris bicirrata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Lumbrineris luti		0	0	0	7	23	0	0	1	0	1	1	2	0	0	0
52	Lumbrineris sp. Indet.		2	0	0	10	8	4	5	7	4	0	2	1	2	0	0
53	Maldanidae sp. Indet.		0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
54	Mediomastus californiensis		1	0	0	1	2	2	1	7	0	1	1	0	1	1	5
55	Micropodarke dubia		0	0	0	0	0	0	1	0	2	0	0	0	0	0	0
56	Naineris quadricuspida		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Nephtys cornuta franciscanum		62	0	1	107	139	58	6	3	1	49	39	52	25	36	64
58	Nephtys ferruginea		1	0	0	0	1	1	0	0	0	0	1	0	1	0	0
59	Nereis brandti		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Nereis zonata		0	0	0	0	1	0	0	3	0	0	0	0	0	0	0
61	Nicolea zostericola		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Ophelina acuminata		0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
63	Ophiodromus pugettensis		0	0	0	0	1	0	1	0	1	0	0	1	0	0	0
64	Paleonotus bellis		0	0	0	0	0	0	5	1	0	0	0	0	0	0	0
65	Parandalia fauveli		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
66	Paraprionospio pinnata		1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
67	Pectinaria californiensis		11	1	0	14	17	8	0	0	0	0	1	4	0	0	0
68	Pectinaria granulata		0	0	0	1	1	0	6	5	4	0	0	0	0	0	3
69	Pettibonia sp. A		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Pholoe minuta		0	0	0	2	4	1	1	1	1	0	0	0	0	0	1
71	Pholoides aspera		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Phyllodoce groenlandica		0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
73	Phyllodoce hartmanae		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
74	Phyllodoce papillosa		0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
75	Phyllodoce sp.		1	0	1	0	0	0	0	2	0	0	2	0	0	0	0
76	Pionosyllis uraga		0	0	0	0	0	0	15	1	1	0	0	0	0	0	0
77	Pista moori		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Platynereis bicanaliculata		0	0	0	0	0	0	6	4	1	0	0	0	0	0	0
79	Polycirrus sp. complex		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Polydora brachycephala		0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
81	Polydora cardalia		0	0	0	0	0	0	3	4	0	0	0	0	0	0	0
82	Polydora giardia		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
83	Polydora socialis		1	0	0	0	0	0	3	1	5	4	2	1	1	11	6
84	Polynoidae sp. Indet.		0	0	0	2	0	0	0	0	0	0	2	0	0	0	0
85	Prionospio lighti		25	1	2	9	14	8	11	12	2	12	5	2	9	7	17
86	Prionospio steenstrupi		1	0	3	10	12	3	26	18	5	0	1	3	1	5	1
87	Protodorvillea gracilis		0	1	0	0	4	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-06, EP-07, EP-08, EP-09, EP-10 Continued

REF.	TAXON	STATION:	EP-06			EP-07			EP-08			EP-09			EP-10		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
88	Pseudochitinopoma occidentalis		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
89	Pygospio elegans		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Sabellaria cementarium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Sabellidae sp. indet.		0	0	0	0	2	0	0	2	0	0	0	0	0	0	0
92	Scionella estevanica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Scoloplos acmeceps		0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
94	Serpulidae sp. indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Sphaerodoropsis sphaerulifer		0	0	0	2	3	1	2	2	1	2	0	0	0	1	2
96	Sphaerosyllis brandhorsti		2	1	2	45	68	8	22	6	13	0	0	0	0	0	0
97	Spio cirrifera		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Spionidae sp. Juv.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Spiophanes berkeleyorum		3	0	0	1	4	0	0	0	0	1	1	0	2	3	4
100	Sternaspis scutata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Syllidae sp. Indet.		0	0	0	0	0	1	0	3	0	0	0	0	0	0	0
102	Syllis elongata		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
103	Syllis heterochaeta		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Tenonia priops		1	0	0	0	1	0	0	1	0	0	2	0	0	0	0
105	Terebellides stroemi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Terebellidae sp. indet.		0	0	0	0	0	0	6	1	0	0	0	0	0	0	0
107	Tharyx multifilis		50	6	10	36	38	6	18	27	5	52	17	30	20	25	20
108	Tharyx secundus		0	0	0	0	1	0	0	1	1	1	8	0	0	0	0
109	Trochochaeta multisetosa		0	0	0	12	4	0	0	0	0	2	0	0	0	1	0
110	NEMERTEA		0	0	0	0	0	0	1	2	0	2	1	2	0	0	0
111	OLOGOCHAETA		2	1	5	8	6	10	101	108	80	1	5	5	0	0	0
112	HIRUDINEA		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
113	Acila castrensis		0	0	0	3	1	0	0	0	0	3	0	4	1	1	1
114	Nucula tenuis		0	0	1	13	7	9	1	0	1	2	3	0	3	2	4
115	Nuculana fossa		0	0	0	3	2	2	0	0	0	0	0	0	0	0	0
116	Yoldia martyria		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Yoldia scissurata		0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
118	Lucinoma annulata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Parvilucina tenuisculpta		1	0	0	10	10	10	0	0	0	1	1	0	0	0	0
120	Axinopsida serricata		2	2	2	245	111	87	4	13	8	39	16	32	44	35	53
121	Thyasira gouldi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	Modiolus rectus		1	0	0	0	0	0	7	2	0	0	0	0	0	0	0
123	Mytilus edulis		0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
124	Chlamys hastata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Pododesmus macrochisma		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Mysella tumida		0	0	0	0	0	0	8	1	0	0	0	0	0	0	0
127	Clinocardium ciliatum		0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
128	Clinocardium nuttallii		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
129	Macoma brota		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Macoma calcarea		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-06, EP-07, EP-08, EP-09, EP-10 Continued

REF.	TAXON	STATION:	EP-06			EP-07			EP-08			EP-09			EP-10		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
131	Macoma carlottensis		3	1	0	40	21	23	2	1	0	2	0	1	0	0	1
132	Macoma elimata		0	0	0	2	1	1	0	3	0	0	0	0	0	0	0
133	Tellina carpenteri		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Tellina nuculoides		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Compsomyax subdiaphana		0	0	0	8	5	7	0	0	0	0	0	0	0	0	0
136	Psephidia lordi		0	0	1	142	83	107	24	5	13	16	7	16	15	20	9
137	Protothaca staminea		0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
138	Mya arenaria		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Hiatella arctica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Pandora filosa		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
141	Lyonsia californica		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
142	Crepidula adunca		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
143	Solariella obsura		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Alvania compacta		0	0	2	1	0	0	5	26	4	1	0	0	0	0	0
145	Mitrella gausapata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Mitrella tuberosa		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
147	Lacuna carinata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Bittium munitum		0	0	0	0	1	4	0	0	0	0	0	0	0	0	0
149	Nassarius mendicus		0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
150	Trophonopsis orpheus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Amphissa versicolor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Odostomia columbiana		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Odostomia quadrae		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Odostomia vancouverensis		0	0	0	1	0	0	4	0	1	0	0	0	0	0	0
155	Turbonilla lyalli		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Turbonilla vancouverensis		0	0	0	1	0	0	4	0	1	0	0	0	0	0	0
157	Rictaxis punctocaelatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Philine polaris		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Accedomoera vagor		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Ampelisca brevisimulata		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
161	Aoroides ?inermis		0	0	0	0	0	0	16	6	0	0	0	0	0	0	0
162	Aoroides columbiae		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Aoroides sp. indet./juvenile		0	0	0	1	0	0	0	0	6	0	0	0	0	0	0
164	Byblis millsi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Cheirimedeia sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Cheirimedeia zotea		0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
167	Cheirimedeia/Protomedeia sp.		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
168	Corophium acherusicum		0	0	0	0	0	0	0	0	0	0	0	0	0	11	0
169	Corophium sp.		0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
170	Dyopedos ?monacanthus		0	0	0	1	0	0	1	0	3	0	0	0	0	1	1
171	Dyopedos sp.		0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
172	Eudorella pacifica		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
173	Foraminiferan		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-06, EP-07, EP-08, EP-09, EP-10 Continued

REF.	TAXON	STATION:	EP-06			EP-07			EP-08			EP-09			EP-10		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
174	Harpacticoid copepod		0	0	0	0	0	0	0	0	0	0	0	1	0	2	0
175	Heterophoxus oculatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	Hyperia spinigera		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
177	Hyperia? sp. (juv)		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
178	Ischyrocerus anguipes		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	Leptochelia? savignyi		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
180	Mayerella banksia		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
181	Melita desdichada		0	0	0	1	0	0	3	2	0	0	0	0	0	0	0
182	Microjassa sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183	Oedicerotidae		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184	Orchomene pinguis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185	Pachynus cf. barnardi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
186	Parathemisto? pacifica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187	Photis ?californica		0	0	0	0	0	0	11	6	3	2	0	2	0	0	0
188	Photis sp. (juv)		0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
189	Pleustidae juv		0	0	0	0	0	0	0	0	0	35	37	51	0	0	0
190	Protomedeia prudens		0	0	0	0	0	0	0	0	0	62	49	51	29	49	72
191	Protomedeia sp.		0	0	0	0	0	0	0	0	1	0	0	0	33	43	91
192	Rhepoxynius variatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193	Stenothoidae (?Metopella)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	Synchelidium rectipalmum		0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
195	Tritella pilimana		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196	indet. amphipoda		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197	Westwoodilla caecula		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
198	Eudorella pacifica		0	0	0	0	0	0	0	0	0	122	85	103	98	106	126
199	Euphilomedes carcharodonta		0	1	0	4	2	0	5	4	2	234	133	157	133	112	160
200	Philomedidae juveniles		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201	Philomedes producta		0	0	0	7	0	18	1	0	0	30	25	37	10	14	0
202	Amphipholis squamata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203	Pinnixa schmitti		0	0	0	0	0	0	1	1	0	2	3	0	6	2	0
204	Polycladida indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
205	Piscicolidae indet.		0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
206	Amphiodia urtica		0	0	0	0	0	0	0	0	0	1	0	1	1	0	0
207	Crangon alaskensis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208	Pentamera sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209	Diastylus alaskensis		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
210	Balanus crenatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211	Campylaspis sp.		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
212	Amphiuridae juvenile		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
213	Nebalia sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214	Diasterope pilosa		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215	Barentsia sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216	Neomysis kadiaskensis		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-06, EP-07, EP-08, EP-09, EP-10 Continued

REF.	TAXON	STATION:	EP-06			EP-07			EP-08			EP-09			EP-10		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
217	Pleurogonium sp.		0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
218	Halicaridae indet.		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219	Cerebratulus sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
220	Nephosoma sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221	Leucon sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-11, EP-12, EP-13, EP-14, EP-15

REF.	TAXON	STATION:	EP-11			EP-12			EP-13			EP-14			EP-15		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
1	Amage anops		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2	Ampharete acutifrons		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Ampharete labrops		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Ampharete finmarchica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Ampharetidae sp. indet./juv		0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6	Amphicteis glabra		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Amphicteis scaphobranchiata		0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
8	Amphictene moori		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Arcteobea spnelytris		0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
10	Aricidea lopezi		0	0	0	0	0	0	1	1	0	1	1	0	0	0	0
11	Aricidea sp. indet.		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
12	Armandia brevis		1	1	2	0	1	2	0	0	1	1	0	2	0	0	2
13	Autolytus sp. Indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Barantolla americana		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
15	Capitella capitata complex		1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
16	Chaetozone spinosa		4	5	7	1	0	1	3	11	12	6	1	3	0	0	0
17	Chone dunneri		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Cirratulidae sp. Indet.		0	0	0	0	0	1	1	0	0	0	0	1	2	1	0
19	Cirratulus cirratus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cossura longocirrata		20	20	20	5	2	3	13	15	7	8	11	11	3	0	2
21	Dorvillea rudolphi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Dorvilleidae sp. Indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Eteone longa		2	2	2	0	0	0	0	0	1	1	1	0	0	0	0
24	Eteone sp. Indet./juv		0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
25	Euclymeninae sp. Indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Euchone incolor		0	0	0	0	0	0	2	0	3	0	0	0	0	0	0
27	Euclymene zonalis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Eulalia bilineata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Eulalia viridis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Eumida sanguinea		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Exogone sp. Indet.		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
32	Flabelligeridae sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Galathowenia oculata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Gattyana treadwelli		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Glycera capitata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Glycinde armigera		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
37	Glycinde picta		1	2	1	1	0	0	7	1	4	2	2	2	4	0	9
38	Goniada annulata		0	0	0	0	0	0	0	0	0	4	2	0	0	0	0
39	Gyptis brevipalpa		1	1	1	3	1	0	0	1	0	0	0	0	0	1	1
40	Harmothoe imbricata		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
41	Harmothoe lunulata		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Harmothoe sp. indet.		1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Hessionidae sp.		0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
44	Heteromastus filobranchus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-11, EP-12, EP-13, EP-14, EP-15 Continued

REF.	TAXON	STATION:	EP-11			EP-12			EP-13			EP-14			EP-15		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
45	Idanthyrsus ornamentatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Lanassa venusta venusta		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Laonice cirrata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Leitoscoloplos pugettensis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	Lepidonotus squamatus		1	0	4	0	0	0	0	0	0	0	0	0	0	0	0
50	Lumbrineris bicirrata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Lumbrineris luti		2	2	3	0	0	0	1	0	1	0	0	0	0	0	0
52	Lumbrineris sp. Indet.		0	0	0	0	0	0	1	2	0	1	1	0	0	0	0
53	Maldanidae sp. Indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Mediomastus californiensis		0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
55	Micropodarke dubia		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
56	Naineris quadricuspida		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Nephtys cornuta franciscanum		25	36	39	47	49	45	130	115	48	90	34	40	87	53	223
58	Nephtys ferruginea		0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
59	Nereis brandti		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Nereis zonata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	Nicolea zostericola		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Ophelina acuminata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Ophiodromus pugettensis		1	3	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Paleonotus bellis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Parandalia fauveli		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Paraprionospio pinnata		1	3	1	0	0	3	1	1	1	0	1	2	1	1	0
67	Pectinaria californiensis		7	8	13	1	4	10	31	12	33	5	4	8	5	4	6
68	Pectinaria granulata		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
69	Pettibonia sp. A		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Pholoe minuta		1	2	1	0	0	2	3	4	7	3	1	1	0	0	0
71	Pholoides aspera		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Phyllodoce groenlandica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Phyllodoce hartmanae		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Phyllodoce papillosa		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Phyllodoce sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	Pionosyllis uraga		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	Pista moori		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
78	Platynereis bicanaliculata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Polycirrus sp. complex		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Polydora brachycephala		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Polydora cardalia		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
82	Polydora giardia		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Polydora socialis		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
84	Polynoidae sp. Indet.		1	1	1	0	0	0	0	0	0	1	1	0	0	0	0
85	Prionospio lighti		9	5	21	5	2	2	14	21	6	11	5	13	0	0	0
86	Prionospio steenstrupi		1	4	0	0	2	3	10	7	22	2	3	1	9	1	18
87	Protodorvillea gracilis		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-11, EP-12, EP-13, EP-14, EP-15 Continued

REF.	TAXON	STATION:	EP-11			EP-12			EP-13			EP-14			EP-15		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
88	Pseudochitinopoma occidentalis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Pygospio elegans		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Sabellaria cementarium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Sabellidae sp. indet.		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
92	Scionella estevanica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Scoloplos acmeceps		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Serpulidae sp. indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Sphaerodoropsis sphaerulifer		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Sphaerosyllis brandhorsti		0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
97	Spio cirrifera		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Spionidae sp. Juv.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Spiophanes berkeleyorum		2	2	5	5	2	4	2	5	0	4	3	3	0	0	0
100	Sternaspis scutata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Syllidae sp. Indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Syllis elongata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Syllis heterochaeta		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Tenonia priops		0	0	0	1	1	0	5	2	2	0	2	2	0	1	0
105	Terebellides stroemi		0	0	0	0	0	0	0	1	3	0	0	0	0	0	0
106	Terebellidae sp. indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Tharyx multifilis		0	0	0	45	11	64	28	55	36	45	49	35	25	5	27
108	Tharyx secundus		0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
109	Trochochaeta multisetosa		32	50	45	0	0	0	0	0	0	0	1	0	0	0	0
110	NEMERTEA		0	0	1	0	0	0	3	0	0	0	0	0	0	0	1
111	OLOGOCHAETA		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
112	HIRUDINEA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Acila castrensis		2	1	0	0	0	0	0	1	0	1	2	0	0	0	1
114	Nucula tenuis		4	1	2	3	1	10	3	2	3	8	6	3	0	0	1
115	Nuculana fossa		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Yoldia martyria		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Yoldia scissurata		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
118	Lucinoma annulata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Parvilucina tenuisculpta		3	1	0	1	1	2	3	0	2	1	1	4	0	0	1
120	Axinopsida serricata		87	54	31	49	20	46	18	50	30	39	39	108	4	60	4
121	Thyasira gouldi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	Modiolus rectus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Mytilus edulis		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
124	Chlamys hastata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Pododesmus macrochisma		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Mysella tumida		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
127	Clinocardium ciliatum		0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
128	Clinocardium nuttallii		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Macoma brota		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
130	Macoma calcarea		0	0	0	0	0	0	0	0	0	3	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-11, EP-12, EP-13, EP-14, EP-15 Continued

	STATION:	EP-11			EP-12			EP-13			EP-14			EP-15		
	REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
REF.	TAXON															
131	Macoma carlottensis	0	1	0	7	3	6	3	1	3	0	0	1	5	2	5
132	Macoma elimata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Tellina carpenteri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Tellina nuculoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Compsomyax subdiaphana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Psephidia lordi	0	0	0	0	0	1	54	39	44	20	9	21	25	5	178
137	Protothaca staminea	0	0	0	13	16	24	0	0	0	0	0	0	0	0	0
138	Mya arenaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Hiatella arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Pandora filosa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Lyonsia californica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Crepidula adunca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Solariella obsura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Alvania compacta	1	0	0	1	2	1	1	2	0	0	0	0	2	3	37
145	Mitrella gausapata	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
146	Mitrella tuberosa	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
147	Lacuna carinata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Bittium munitum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Nassarius mendicus	1	1	1	1	1	1	2	1	1	0	0	2	14	0	7
150	Trophonopsis orpheus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Amphissa versicolor	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Odostomia columbiana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Odostomia quadrae	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0
154	Odostomia vancouverensis	0	0	0	3	5	3	4	2	2	0	0	1	3	0	0
155	Turbonilla lyalli	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
156	Turbonilla vancouverensis	0	0	0	3	5	3	4	2	2	0	0	1	3	0	0
157	Rictaxis punctocaelatus	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
158	Philine polaris	1	0	0	1	8	5	0	0	0	0	0	0	0	0	0
159	Accedomoera vagor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Ampelisca brevisimulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Aoroides ?inermis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Aoroides columbiae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Aoroides sp. indet./juvenile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	Byblis millsi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Cheirimedeia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Cheirimedeia zotea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Cheirimedeia/Protomedeia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Corophium acherusicum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	Corophium sp.	0	0	1	0	2	0	1	0	0	0	0	0	0	0	0
170	Dyopedos ?monacanthus	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
171	Dyopedos sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
172	Eudorella pacifica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	Foraminiferan	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-11, EP-12, EP-13, EP-14, EP-15 Continued

REF.	TAXON	STATION:	EP-11			EP-12			EP-13			EP-14			EP-15		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
174	Harpacticoid copepod		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Heterophoxus oculatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	Hyperia spinigera		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	Hyperia? sp. (juv)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Ischyrocerus anguipes		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	Leptochelia? savignyi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Mayerella banksia		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181	Melita desdichada		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	Microjassa sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183	Oedicerotidae		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184	Orchomene pinguis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185	Pachynus cf. barnardi		1	1	0	0	0	0	1	0	0	0	1	1	0	0	0
186	Parathemisto? pacifica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187	Photis ?californica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188	Photis sp. (juv)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189	Pleustidae juv		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190	Protomedeia prudens		9	6	10	0	6	5	2	0	1	2	14	3	0	0	0
191	Protomedeia sp.		20	11	28	15	13	4	5	0	0	3	7	11	1	0	0
192	Rhepoxynius variatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193	Stenothoidae (?Metopella)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	Synchelidium rectipalmum		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195	Tritella pilimana		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196	indet. amphipoda		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197	Westwoodilla caecula		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198	Eudorella pacifica		44	1	166	0	0	48	84	139	122	101	116	68	0	1	0
199	Euphilomedes carcharodonta		89	88	167	16	22	42	54	31	34	138	133	0	0	0	0
200	Philomedidae juveniles		0	14	0	0	0	0	0	0	0	0	0	0	0	0	0
201	Philomedes producta		4	15	8	0	1	0	0	0	0	0	0	2	0	0	0
202	Amphipholis squamata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203	Pinnixa schmitti		0	4	3	0	1	0	8	6	11	9	1	1	0	0	0
204	Polycladida indet.		0	0	0	1	0	1	0	0	0	0	1	0	0	0	0
205	Piscicolidae indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206	Amphiodia urtica		0	0	2	0	0	0	0	0	0	0	2	1	0	0	0
207	Crangon alaskensis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208	Pentamera sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209	Diastylus alaskensis		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
210	Balanus crenatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211	Campylaspis sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212	Amphiuridae juvenile		0	1	0	1	0	3	0	0	0	1	0	0	0	0	0
213	Nebalia sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214	Diasterope pilosa		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215	Barentsia sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216	Neomysis kadiaskensis		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-11, EP-12, EP-13, EP-14, EP-15 Continued

	STATION:	EP-11			EP-12			EP-13			EP-14			EP-15		
	REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
REF.	TAXON															
217	Pleurogonium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218	Halicaridae indet.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219	Cerebratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220	Nephosoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221	Leucon sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-16, EP-17, EP-18, EP-19, EP-20

	STATION:	EP-16			EP-17			EP-18			EP-19			EP-20		
	REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
REF.	TAXON															
1	Amage anops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ampharete acutifrons	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
3	Ampharete labrops	4	0	0	0	0	0	1	0	0	0	0	0	0	0	0
4	Ampharete finmarchica	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
5	Ampharetidae sp. indet./juv	1	0	0	0	3	0	0	1	0	0	0	0	0	0	0
6	Amphicteis glabra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Amphicteis scaphobranchiata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Amphictene moori	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Arcteobea spnelytris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Aricidea lopezi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Aricidea sp. indet.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Armandia brevis	2	2	2	0	0	0	10	1	2	3	1	7	0	1	0
13	Autolytus sp. Indet.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Barantolla americana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Capitella capitata complex	0	0	0	0	0	0	759	3	509	31	0	0	5	0	0
16	Chaetozone spinosa	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
17	Chone dunneri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Cirratulidae sp. Indet.	0	0	6	0	0	0	5	15	0	0	0	0	2	4	0
19	Cirratulus cirratus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cossura longocirrata	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
21	Dorvillea rudolphi	0	0	1	0	0	0	0	0	9	0	0	0	0	0	0
22	Dorvilleidae sp. Indet.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Eteone longa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Eteone sp. Indet./juv	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Euclymeninae sp. Indet.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Euchone incolor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Euclymene zonalis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Eulalia bilineata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Eulalia viridis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Eumida sanguinea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Exogone sp. Indet.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Flabelligeridae sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Galathowenia oculata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Gattyana treadwelli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Glycera capitata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Glycinde armigera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Glycinde picta	3	11	6	1	0	0	3	6	8	10	9	8	7	1	2
38	Goniada annulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Gyptis brevipalpa	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0
40	Harmothoe imbricata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Harmothoe lunulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Harmothoe sp. indet.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Hessionidae sp.	0	0	0	0	0	1	2	0	0	0	0	1	0	0	0
44	Heteromastus filobranchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-16, EP-17, EP-18, EP-19, EP-20 Continued

REF.	TAXON	STATION:	EP-16			EP-17			EP-18			EP-19			EP-20		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
45	Idanthyrsus ornamentatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Lanassa venusta venusta		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Laonice cirrata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Leitoscoloplos pugettensis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	Lepidonotus squamatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50	Lumbrineris bicirrata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Lumbrineris luti		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Lumbrineris sp. Indet.		1	0	2	0	1	0	1	0	0	0	0	0	2	1	0
53	Maldanidae sp. Indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Mediomastus californiensis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Micropodarke dubia		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Naineris quadricuspida		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Nephtys cornuta franciscanum		37	91	97	8	29	51	30	89	9	40	13	63	117	51	45
58	Nephtys ferruginea		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
59	Nereis brandti		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
60	Nereis zonata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	Nicolea zostericola		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Ophelina acuminata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	Ophiodromus pugettensis		19	16	14	25	4	8	2	4	15	5	5	12	0	0	0
64	Paleonotus bellis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Parandalia fauveli		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Paraprionospio pinnata		1	0	5	0	0	0	3	1	0	2	3	1	6	1	0
67	Pectinaria californiensis		7	2	5	0	2	2	2	0	2	4	9	40	11	4	11
68	Pectinaria granulata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Pettibonia sp. A		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Pholoe minuta		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Pholoides aspera		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
72	Phyllodoce groenlandica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Phyllodoce hartmanae		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Phyllodoce papillosa		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Phyllodoce sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	Pionosyllis uraga		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	Pista moori		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Platynereis bicanaliculata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	Polycirrus sp. complex		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Polydora brachycephala		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Polydora cardalia		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Polydora giardia		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Polydora socialis		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
84	Polynoidae sp. Indet.		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
85	Prionospio lighti		0	0	0	0	2	0	2	0	11	1	1	7	6	0	1
86	Prionospio steenstrupi		1	2	2	0	1	0	0	1	0	0	0	0	0	1	0
87	Protodorvillea gracilis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-16, EP-17, EP-18, EP-19, EP-20 Continued

REF.	TAXON	STATION:	EP-16			EP-17			EP-18			EP-19			EP-20		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
88	Pseudochitinopoma occidentalis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Pygospio elegans		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Sabellaria cementarium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Sabellidae sp. indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Scionella estevanica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Scoloplos acmeceps		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Serpulidae sp. indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Sphaerodoropsis sphaerulifer		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Sphaerosyllis brandhorsti		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Spio cirrifera		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Spionidae sp. Juv.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Spiophanes berkeleyorum		0	1	0	0	0	0	1	0	0	0	0	0	1	0	1
100	Sternaspis scutata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Syllidae sp. Indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Syllis elongata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Syllis heterochaeta		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Tenonia priops		0	0	0	0	0	0	1	1	0	0	0	0	0	0	1
105	Terebellides stroemi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Terebellidae sp. indet.		0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
107	Tharyx multifilis		4	8	1	76	26	3	9	63	2	0	1	1	1	1	2
108	Tharyx secundus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Trochochaeta multisetosa		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	NEMERTEA		0	0	0	0	0	0	0	2	0	0	0	1	0	0	0
111	OLOGOCHAETA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	HIRUDINEA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	Acila castrensis		14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Nucula tenuis		29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Nuculana fossa		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	Yoldia martyria		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	Yoldia scissurata		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Lucinoma annulata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Parvilucina tenuisculpta		21	3	0	11	3	8	4	2	2	0	0	0	7	5	2
120	Axinopsida serricata		199	15	2	11	3	8	4	2	2	0	0	0	7	5	2
121	Thyasira gouldi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	Modiolus rectus		4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	Mytilus edulis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	Chlamys hastata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	Pododesmus macrochisma		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Mysella tumida		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
127	Clinocardium ciliatum		0	5	5	0	0	0	0	0	0	0	0	0	0	0	0
128	Clinocardium nuttallii		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	Macoma brota		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	Macoma calcarea		0	0	0	1	1	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-16, EP-17, EP-18, EP-19, EP-20 Continued

	STATION:	EP-16			EP-17			EP-18			EP-19			EP-20		
	REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
REF.	TAXON															
131	Macoma carlottensis	33	6	12	2	4	13	37	12	6	10	9	45	13	7	11
132	Macoma elimata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Tellina carpenteri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Tellina nuculoides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Compsomyax subdiaphana	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Psephidia lordi	224	58	73	6	10	10	56	14	3	1	0	0	0	16	31
137	Protothaca staminea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Mya arenaria	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
139	Hiatella arctica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Pandora filosa	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	Lyonsia californica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	Crepidula adunca	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Solariella obsura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Alvania compacta	92	8	0	0	0	0	1	2	0	0	0	0	0	0	0
145	Mitrella gausapata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Mitrella tuberosa	0	0	0	2	0	0	4	0	0	0	0	0	0	0	0
147	Lacuna carinata	0	0	0	1	3	0	0	0	1	0	0	0	0	0	0
148	Bittium munitum	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
149	Nassarius mendicus	3	0	1	6	24	1	9	0	0	0	0	0	1	0	4
150	Trophonopsis orpheus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Amphissa versicolor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Odostomia columbiana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Odostomia quadrae	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Odostomia vancouverensis	1	1	0	6	24	1	9	0	0	0	0	0	1	0	4
155	Turbonilla lyalli	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Turbonilla vancouverensis	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
157	Rictaxis punctocaelatus	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0
158	Philine polaris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Accedomoera vagor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Ampelisca brevisimulata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Aoroides ?inermis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	Aoroides columbiae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	Aoroides sp. indet./juvenile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	Byblis millsi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Cheirimedeia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Cheirimedeia zotea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Cheirimedeia/Protomedeia sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Corophium acherusicum	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
169	Corophium sp.	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0
170	Dyopedos ?monacanthus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Dyopedos sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Eudorella pacifica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	Foraminiferan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-16, EP-17, EP-18, EP-19, EP-20 Continued

REF.	TAXON	STATION:	EP-16			EP-17			EP-18			EP-19			EP-20		
		REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
174	Harpacticoid copepod		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Heterophoxus oculatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	Hyperia spinigera		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	Hyperia? sp. (juv)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Ischyrocerus anguipes		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	Leptochelia? savignyi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Mayerella banksia		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181	Melita desdichada		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	Microjassa sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183	Oedicerotidae		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184	Orchomene pinguis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185	Pachynus cf. barnardi		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
186	Parathemisto? pacifica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187	Photis ?californica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188	Photis sp. (juv)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189	Pleustidae juv		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190	Protomedeia prudens		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191	Protomedeia sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	Rhepoxynius variatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193	Stenothoidae (?Metopella)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	Synchelidium rectipalmum		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195	Tritella pilimana		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196	indet. amphipoda		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197	Westwoodilla caecula		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198	Eudorella pacifica		1	2	0	0	0	0	0	0	0	0	0	0	0	1	0
199	Euphilomedes carcharodonta		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
200	Philomedidae juveniles		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201	Philomedes producta		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202	Amphipholis squamata		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203	Pinnixa schmitti		0	0	0	0	0	0	0	1	0	0	0	0	0	10	1
204	Polycladida indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205	Piscicolidae indet.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206	Amphiodia urtica		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207	Crangon alaskensis		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208	Pentamera sp.		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209	Diastylus alaskensis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210	Balanus crenatus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211	Campylaspis sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212	Amphiuridae juvenile		0	0	1	0	0	0	0	0	1	0	0	0	0	1	0
213	Nebalia sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214	Diasterope pilosa		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215	Barentsia sp.		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216	Neomysis kadiaskensis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1989 BURRARD INLET BENTHOS DATA

Stations EP-16, EP-17, EP-18, EP-19, EP-20 Continued

	STATION:	EP-16			EP-17			EP-18			EP-19			EP-20		
	REPLICATE:	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
REF.	TAXON															
217	Pleurogonium sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218	Halicaridae indet.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
219	Cerebratulus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220	Nephosoma sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221	Leucon sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0